

Title (en)
HANDOVERS WITH SIMPLIFIED NETWORK TOPOLOGY

Title (de)
ÜBERGABEN MIT VEREINFACHTER NETZWERKTOPOLOGIE

Title (fr)
TRANSFERTS AVEC TOPOLOGIE DE RÉSEAU SIMPLIFIÉE

Publication
EP 3520316 A1 20190807 (EN)

Application
EP 17857598 A 20170929

Priority
• US 201662401695 P 20160929
• US 2017054639 W 20170929

Abstract (en)
[origin: WO2018064643A1] Systems and methods for handovers with simplified network topology are disclosed. In a first embodiment, a method is disclosed, comprising: at a coordinating gateway during a handover of a mobile device from a first base station to a second base station, receiving a first handover request from the first base station; discarding a first shared security key received in the first handover request; sending a tunnel switching request to a core network node; obtaining precursors for a second shared security key from the core network node in a response to the switching request; sending a second handover request to the second base station with the precursors to calculate the second shared security key for securing a data connection for the mobile device following the handover; deriving the second shared security key from the obtained precursors at the first base station; and deriving the second shared security key from the obtained precursors at the coordinating gateway.

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